TUGAS 5
ADMINISTRASI BASIS DATA
TABLESPACE

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Small File

```
SQL> CREATE SMALLFILE TABLESPACE MKADMINISTRASIBASDAT
  2  DATAFILE
  3  'C:\app\raiha\oradata\ORCL\adminbasdat1.dbf' SIZE 100M,
  4  'C:\app\raiha\oradata\ORCL\adminbasdat2.dbf' SIZE 100M
  5  LOGGING
  6  EXTENT MANAGEMENT LOCAL AUTOALLOCATE
  7  SEGMENT SPACE MANAGEMENT AUTO;

Tablespace created.
```

Hasil generate tablespace

```
SQL> SELECT * FROM DBA_TABLESPACES;

TABLESPACE_NAME                  BLOCK_SIZE INITIAL_EXTENT NEXT_EXTENT MIN_EXTENTS MAX_EXTENTS   MAX_SIZE PCT_INCREASE MIN_EXTLEN
------------------------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ----------
STATUS    CONTENTS              LOGGING    FOR EXTENT_MAN ALLOCATIO PLU SEGMEN DEF_TAB_ RETENTION   BIG PREDICA ENC
--------- --------------------- ---------- --- ---------- --------- --- ------ -------- ----------- --- ------- ---
COMPRESS_FOR                    DEF_INME DEF_INME DEF_INMEMORY_DI DEF_INMEMORY_COMP DEF_INMEMORY_ SHARED       DEF_INDE
------------------------------- -------- -------- --------------- ----------------- -------------- -------------- --------
INDEX_COMPRES DEF_CELLMEMORY DEF_INMEMORY
------------- -------------- ------------
DEF_INMEMORY_SERVICE_NAME
-----------------------------------------------------------------------------------------------------------------------------
LOST_WR C
------- -
SYSTEM                             8192          65536                         1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    YES LOCAL      SYSTEM    NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

SYSAUX                             8192          65536                         1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    YES LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

UNDOTBS1                           8192          65536                         1 2147483645 2147483645                   65536
ONLINE    UNDO                  LOGGING    NO  LOCAL      SYSTEM    NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

TEMP                               8192        1048576     1048576             1            2147483645          0    1048576
ONLINE    TEMPORARY             NOLOGGING  NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

USERS                              8192          65536                         1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

MKADMINISTRASIBASDAT               8192          65536                         1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                            SHARED       DISABLED

OFF     N

6 rows selected.
```

Big File

```
SQL> CREATE BIGFILE TABLESPACE MKADMINISTRASIBASDAT2
  2  DATAFILE
  3  'C:\app\raiha\oradata\ORCL\big_adminbasdat1.dbf' SIZE 1G
  4  LOGGING
  5  EXTENT MANAGEMENT LOCAL AUTOALLOCATE
  6  SEGMENT SPACE MANAGEMENT AUTO;

Tablespace created.
```

Hasil generate tablespace

```
SQL> SELECT * FROM DBA_TABLESPACES;

TABLESPACE_NAME                 BLOCK_SIZE INITIAL_EXTENT NEXT_EXTENT MIN_EXTENTS MAX_EXTENTS   MAX_SIZE PCT_INCREASE MIN_EXTLEN
------------------------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ----------
STATUS    CONTENTS           LOGGING   FOR EXTENT_MAN ALLOCATIO PLU SEGMEN DEF_TAB_ RETENTION   BIG PREDICA ENC
--------- ------------------- --------- --- ---------- --------- --- ------ -------- ----------- --- ------- ---
COMPRESS_FOR                    DEF_INME DEF_INME DEF_INMEMORY_DI DEF_INMEMORY_COMP DEF_INMEMORY_ SHARED        DEF_INDE
------------------------------- -------- -------- --------------- ----------------- ------------- ------------- --------
INDEX_COMPRES DEF_CELLMEMORY DEF_INMEMORY
------------- -------------- ------------
DEF_INMEMORY_SERVICE_NAME
--------------------------------------------------------------------------------------------------------------------------
LOST_WR C
------- -
SYSTEM                                8192          65536                        1 2147483645 2147483645                65536
ONLINE    PERMANENT           LOGGING   YES LOCAL      SYSTEM    NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

SYSAUX                                8192          65536                        1 2147483645 2147483645                65536
ONLINE    PERMANENT           LOGGING   YES LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

UNDOTBS1                              8192          65536                        1 2147483645 2147483645                65536
ONLINE    UNDO                LOGGING   NO  LOCAL      SYSTEM    NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

TEMP                                  8192        1048576     1048576            1            2147483645          0   1048576
ONLINE    TEMPORARY           NOLOGGING NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

USERS                                 8192          65536                        1 2147483645 2147483645                65536
ONLINE    PERMANENT           LOGGING   NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

MKADMINISTRASIBASDAT                  8192          65536                        1 2147483645 2147483645                65536
ONLINE    PERMANENT           LOGGING   NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

MKADMINISTRASIBASDAT2                 8192          65536                        1 2147483645 2147483645                65536
ONLINE    PERMANENT           LOGGING   NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   YES HOST    NO
                                                                                                 SHARED        DISABLED

OFF     N

7 rows selected.
```

TEMPORARY TABLESPACE

Small File

```
SQL> CREATE SMALLFILE TEMPORARY TABLESPACE temp_basdat
  2  TEMPFILE
  3  'C:\app\raiha\oradata\ORCL\temp_smallbasdat.dbf' SIZE 100M
  4  EXTENT MANAGEMENT LOCAL UNIFORM SIZE 1M;

Tablespace created.
```

Hasil generate tablespace

```
SQL> SELECT * FROM DBA_TABLESPACES;

TABLESPACE_NAME                 BLOCK_SIZE INITIAL_EXTENT NEXT_EXTENT MIN_EXTENTS MAX_EXTENTS   MAX_SIZE PCT_INCREASE MIN_EXTLEN
------------------------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ----------
STATUS    CONTENTS             LOGGING    FOR EXTENT_MAN ALLOCATIO PLU SEGMEN DEF_TAB_ RETENTION   BIG PREDICA ENC
--------- -------------------- --------- --- ---------- --------- --- ------ -------- ----------- --- ------- ---
COMPRESS_FOR                    DEF_INME DEF_INME DEF_INMEMORY_DI DEF_INMEMORY_COMP DEF_INMEMORY_ SHARED        DEF_INDE
------------------------------- -------- -------- --------------- ----------------- ------------- ------------- --------
INDEX_COMPRES DEF_CELLMEMORY DEF_INMEMORY
------------- -------------- ------------
DEF_INMEMORY_SERVICE_NAME
----------------------------------------------------------------------------------------------------------------------------
LOST_WR C
------- -
SYSTEM                                8192          65536                     1 2147483645 2147483645                 65536
ONLINE    PERMANENT            LOGGING    YES LOCAL      SYSTEM    NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

SYSAUX                                8192          65536                     1 2147483645 2147483645                 65536
ONLINE    PERMANENT            LOGGING    YES LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

UNDOTBS1                              8192          65536                     1 2147483645 2147483645                 65536
ONLINE    UNDO                 LOGGING    NO  LOCAL      SYSTEM    NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

TEMP                                  8192        1048576     1048576         1            2147483645          0   1048576
ONLINE    TEMPORARY            NOLOGGING  NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

USERS                                 8192          65536                     1 2147483645 2147483645                 65536
ONLINE    PERMANENT            LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

MKADMINISTRASIBASDAT                  8192          65536                     1 2147483645 2147483645                 65536
ONLINE    PERMANENT            LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

MKADMINISTRASIBASDAT2                 8192          65536                     1 2147483645 2147483645                 65536
ONLINE    PERMANENT            LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   YES HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

TEMP_BASDAT                           8192        1048576     1048576         1            2147483645          0   1048576
ONLINE    TEMPORARY            NOLOGGING  NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                           SHARED      DISABLED


OFF     N

8 rows selected.
```

Big File

```
SQL> CREATE BIGFILE TEMPORARY TABLESPACE temp2_basdat
  2  TEMPFILE
  3  'C:\app\raiha\oradata\ORCL\temp_bigbasdat.dbf' SIZE 100M
  4  EXTENT MANAGEMENT LOCAL UNIFORM SIZE 1M;

Tablespace created.
```

Hasil generate tablespace

```
SQL> SELECT * FROM DBA_TABLESPACES;

TABLESPACE_NAME                 BLOCK_SIZE INITIAL_EXTENT NEXT_EXTENT MIN_EXTENTS MAX_EXTENTS   MAX_SIZE PCT_INCREASE MIN_EXTLEN
------------------------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ----------
STATUS    CONTENTS              LOGGING    FOR EXTENT_MAN ALLOCATIO PLU SEGMEN DEF_TAB_ RETENTION   BIG PREDICA ENC
--------- --------------------- ---------- --- ---------- --------- --- ------ -------- ----------- --- ------- ---
COMPRESS_FOR                    DEF_INME DEF_INME DEF_INMEMORY_DI DEF_INMEMORY_COMP DEF_INMEMORY_ SHARED        DEF_INDE
INDEX_COMPRES DEF_CELLMEMORY DEF_INMEMORY
------------- -------------- ------------
DEF_INMEMORY_SERVICE_NAME
----------------------------------------------------------------------------------------------------------------------
LOST_WR C
------- -
SYSTEM                                8192          65536                        1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    YES LOCAL      SYSTEM    NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

SYSAUX                                8192          65536                        1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    YES LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

UNDOTBS1                              8192          65536                        1 2147483645 2147483645                   65536
ONLINE    UNDO                  LOGGING    NO  LOCAL      SYSTEM    NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

TEMP                                  8192        1048576     1048576           1            2147483645          0   1048576
ONLINE    TEMPORARY             NOLOGGING NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

USERS                                 8192          65536                        1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

MKADMINISTRASIBASDAT                  8192          65536                        1 2147483645 2147483645                   65536
```

```
ONLINE    PERMANENT             LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

MKADMINISTRASIBASDAT2                 8192          65536                        1 2147483645 2147483645                   65536
ONLINE    PERMANENT             LOGGING    NO  LOCAL      SYSTEM    NO  AUTO   DISABLED NOT APPLY   YES HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

TEMP_BASDAT                           8192        1048576     1048576           1            2147483645          0   1048576
ONLINE    TEMPORARY             NOLOGGING NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

TEMP2_BASDAT                          8192        1048576     1048576           1            2147483645          0   1048576
ONLINE    TEMPORARY             NOLOGGING NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLY   YES HOST    NO
                                DISABLED                                                               SHARED       DISABLED


OFF     N

9 rows selected.
```

UNDO TABLESPACE

```
SQL> CREATE SMALLFILE UNDO TABLESPACE tablesp_undo
  2  DATAFILE
  3  'C:\app\raiha\oradata\ORCL\undo_tblsp.dbf' SIZE 100M
  4  AUTOEXTEND ON NEXT 500M
  5  MAXSIZE UNLIMITED
  6  RETENTION NOGUARANTEE;

Tablespace created.
```

Hasil generate tablespace

```
SQL> SELECT * FROM DBA_TABLESPACES;

TABLESPACE_NAME                 BLOCK_SIZE INITIAL_EXTENT NEXT_EXTENT MIN_EXTENTS MAX_EXTENTS   MAX_SIZE PCT_INCREASE MIN_EXTLEN
------------------------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ----------
STATUS     CONTENTS             LOGGING    FOR EXTENT_MAN ALLOCATIO PLU SEGMEN DEF_TAB_ RETENTION   BIG PREDICA ENC
--------- --------------------- --------- --- ---------- -------- --- ------ -------- ----------- --- ------- ---
COMPRESS_FOR                    DEF_INME DEF_INME DEF_INMEMORY_DI DEF_INMEMORY_COMP DEF_INMEMORY_ SHARED        DEF_INDE
------------------------------- -------- -------- --------------- ----------------- ------------- ------------- --------
INDEX_COMPRES DEF_CELLMEMORY DEF_INMEMORY
------------- -------------- ------------
DEF_INMEMORY_SERVICE_NAME
----------------------------------------------------------------------------------------------------------------------
LOST_WR C
------- -
SYSTEM                               8192          65536                       1 2147483645 2147483645                   65536
ONLINE     PERMANENT            LOGGING   YES LOCAL      SYSTEM   NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

SYSAUX                               8192          65536                       1 2147483645 2147483645                   65536
ONLINE     PERMANENT            LOGGING   YES LOCAL      SYSTEM   NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

UNDOTBS1                             8192          65536                       1 2147483645 2147483645                   65536
ONLINE     UNDO                 LOGGING   NO  LOCAL      SYSTEM   NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

TEMP                                 8192        1048576     1048576           1            2147483645          0  1048576
ONLINE     TEMPORARY            NOLOGGING NO  LOCAL      UNIFORM  NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

USERS                                8192          65536                       1 2147483645 2147483645                   65536
ONLINE     PERMANENT            LOGGING   NO  LOCAL      SYSTEM   NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

MKADMINISTRASIBASDAT                 8192          65536                       1 2147483645 2147483645                   65536
ONLINE     PERMANENT            LOGGING   NO  LOCAL      SYSTEM   NO  AUTO   DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

MKADMINISTRASIBASDAT2                8192          65536                       1 2147483645 2147483645                   65536
ONLINE     PERMANENT            LOGGING   NO  LOCAL      SYSTEM   NO  AUTO   DISABLED NOT APPLY   YES HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

TEMP_BASDAT                          8192        1048576     1048576           1            2147483645          0  1048576
ONLINE     TEMPORARY            NOLOGGING NO  LOCAL      UNIFORM  NO  MANUAL DISABLED NOT APPLY   NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

TEMP2_BASDAT                         8192        1048576     1048576           1            2147483645          0  1048576
ONLINE     TEMPORARY            NOLOGGING NO  LOCAL      UNIFORM  NO  MANUAL DISABLED NOT APPLY   YES HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N

TABLESP_UNDO                         8192          65536                       1 2147483645 2147483645                   65536
ONLINE     UNDO                 LOGGING   NO  LOCAL      SYSTEM   NO  MANUAL DISABLED NOGUARANTEE NO  HOST    NO
DISABLED                                                                                         SHARED        DISABLED

OFF     N


10 rows selected.
```